

N/A

## ORF Errors Corrected by the STIC Systems Branch

1633  
8/29/98Serial Number: 08/945,574

CRF Processing Date: \_\_\_\_\_

Edited by: \_\_\_\_\_

Verified by: AK (STIC staff)

- ☒ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other **ENTERED**
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☒ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☒ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☒ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

RECEIVED

JAN 07 1999

GROUP 1700

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/945,574DATE: 08/29/98  
TIME: 13:31:18

INPUT SET: S28291.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

Does Not Comply  
Corrected Diskette Needed

1 SEQUENCE LISTING  
2  
3 (1) General Information  
4  
5 --> (1) (I) APPLICANTS:  
6 Lenting, Hermanus Bernardus Maria  
7 Van Beckhoven, Rudolf Franciscus Wilhelmus Cornelis  
8 Maurer, Karl-Heinz  
9 Kottwitz, Beatrix  
10 Weiss, Albrecht  
11 Van Solingen, Pieter  
12  
13 (ii) TITLE OF INVENTION: Detergents Comprising Cellulases  
14  
15 --> (iii) NUMBER OF SEQUENCES: Two 2  
16  
17 (iv) CORRESPONDENCE ADDRESS:  
18 (A) ADDRESSEE: Henkel Corporation  
19 (B) STREET: 140 Germantown Pike, Suite 150  
20 (C) CITY: Plymouth Meeting  
21 (D) STATE: Pennsylvania  
22 (E) COUNTRY: U.S.A.  
23 (F) ZIP: 19462  
24  
25 (v) COMPUTER READABLE FORM:  
26 (A) MEDIUM TYPE: 3.5" diskette  
27 (B) COMPUTER: IBM PC compatible  
28 (C) OPERATING SYSTEM: MS-DOS  
29 (D) SOFTWARE: MS Word 6.0  
30  
31 (vi) CURRENT APPLICATION DATA:  
32 (A) APPLICATION NUMBER:  
33 U.S. Ser. No. 08/945,574  
34 (B) FILING DATE:  
35 unavailable  
36 --> (C) CLASSIFICATION: (IPC)  
37 C12N 9/42  
38 C11D 3/386  
39  
40 (vii) PRIOR APPLICATION DATA  
41 (A) APPLICATION NUMBERS:  
42 PCT/EP96/01755  
43 --> EP 95201115.3  
44 --> U.S. 614,115  
45 --> (B) FILING DATES:  
46 26 Apr. 1996

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/945,574DATE: 08/29/98  
TIME: 13:31:20

INPUT SET: S28291.raw

47 28 Apr. 1995  
48 12 Mar. 199649  
50  
51  
52

53 (viii) ATTORNEY/AGENT INFORMATION:

54 (A) NAME: Murphy, Glenn E. J.

55 (B) REGISTRATION NUMBER: 33,539

56 (C) REFERENCE/DOCKET NUMBER: H 1920 PCT/US

57

58 (ix) TELECOMMUNICATION INFORMATION:

59 (A) TELEPHONE: (610) 832-2228

60 (B) TELEFAX: (610) 941-6067

61 ~~(C) E-MAIL: Glenn.Murphy@Henkel-Americas.com~~

62

63

64

65 (2) INFORMATION FOR SEQ ID NO:1:

66

67 (i) SEQUENCE CHARACTERISTICS:

68 (A) LENGTH: 467 amino acids

69 (B) TYPE: amino acid

70 (C) STRANDEDNESS: single

71 (C) TOPOLOGY: linear

72

73 (ii) MOLECULE TYPE: protein

74

75 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

76

77

78 Met Lys Lys Ile Thr Thr Ile Phe Ala Val Leu Leu Met Thr Leu Ala

79 -26 -25 -20 -15

80

81 Leu Phe Ser Ile Gly Asn Thr Thr Ala Ala Asp Asp Tyr Ser Val Val

82 -10 -5 1 5

83

84 Glu Glu His Gly Gln Leu Ser Ile Ser Asn Gly Glu Leu Val Asn Glu

85 10 15 20

86

87 Arg Gly Glu Gln Val Gln Leu Lys Gly Met Ser Ser His Gly Leu Gln

88 25 30 35

89

90 Trp Tyr Gly Gln Phe Val Asn Tyr Glu Ser Met Lys Trp Leu Arg Asp

91 40 45 50

92

93 Asp Trp Gly Ile Thr Val Phe Arg Ala Ala Met Tyr Thr Ser Ser Gly

94 55 60 65 70

95

96 Gly Tyr Ile Asp Asp Pro Ser Val Lys Glu Lys Val Lys Glu Thr Val

97 75 80 85

98

99 Glu Ala Ala Ile Asp Leu Gly Ile Tyr Val Ile Ile Asp Trp His Ile

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/945,574

 DATE: 08/29/98  
 TIME: 13:31:21

INPUT SET: S28291.raw

	90	95	100
100			
101			
102	Leu Ser Asp Asn Asp Pro Asn Ile Tyr Lys Glu Glu Ala Lys Asp Phe		
103	105	110	115
104			
105	Phe Asp Glu Met Ser Glu Leu Tyr Gly Asp Tyr Pro Asn Val Ile Tyr		
106	120	125	130
107			
108	Glu Ile Ala Asn Glu Pro Asn Gly Ser Asp Val Thr Trp Asp Asn Gln		
109	135	140	145
110			150
111	Ile Lys Pro Tyr Ala Glu Glu Val Ile Pro Val Ile Arg Asp Asn Asp		
112	155	160	165
113			
114	Pro Asn Asn Ile Val Ile Val Gly Thr Gly Thr Trp Ser Gln Asp Val		
115	170	175	180
116			
117	His His Ala Ala Asp Asn Gln Leu Ala Asp Pro Asn Val Met Tyr Ala		
118	185	190	195
119			
120	Phe His Phe Tyr Ala Gly Thr His Gly Gln Asn Leu Arg Asp Gln Val		
121	200	205	210
122			
123	Asp Tyr Ala Leu Asp Gln Gly Ala Ala Ile Phe Val Ser Glu Trp Gly		
124	215	220	225
125			230
126	Thr Ser Ala Ala Thr Gly Asp Gly Gly Val Phe Leu Asp Glu Ala Gln		
127	235	240	245
128			
129	Val Trp Ile Asp Phe Met Asp Glu Arg Asn Leu Ser Trp Ala Asn Trp		
130	250	255	260
131			
132	Ser Leu Thr His Lys Asp Glu Ser Ser Ala Ala Leu Met Pro Gly Ala		
133	265	270	275
134			
135	Asn Pro Thr Gly Gly Trp Thr Glu Ala Glu Leu Ser Pro Ser Gly Thr		
136	280	285	290
137			
138	Phe Val Arg Glu Lys Ile Arg Glu Ser Ala Ser Ile Pro Pro Ser Asp		
139	295	300	305
140			310
141	Pro Thr Pro Pro Ser Asp Pro Gly Glu Pro Asp Pro Gly Glu Pro Asp		
142	315	320	325
143			
144	Pro Thr Pro Pro Ser Asp Pro Gly Glu Tyr Pro Ala Trp Asp Ser Asn		
145	330	335	340
146			
147	Gln Ile Tyr Thr Asn Glu Ile Val Tyr His Asn Gly Gln Leu Trp Gln		
148	345	350	355
149			
150	Ala Lys Trp Trp Thr Gln Asn Gln Glu Pro Gly Asp Pro Tyr Gly Pro		
151	360	365	370
152			

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/945,574

DATE: 08/29/98  
TIME: 13:31:23

INPUT SET: S28291.raw

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153 Trp Glu Pro Leu Lys Ser Asp Pro Asp Ser Gly Glu Pro Asp Pro Thr
154 375                      380                      385                      390
155
156 Pro Pro Ser Asp Pro Gly Glu Tyr Pro Ala Trp Asp Ser Asn Gln Ile
157                      395                      400                      405
158
159 Tyr Thr Asn Glu Ile Val Tyr His Asn Gly Gln Leu Trp Gln Ala Lys
160                      410                      415                      420
161
162 Trp Trp Thr Gln Asn Gln Glu Pro Gly Asp Pro Tyr Gly Pro Trp Glu
163                      425                      430                      435
164
165 Pro Leu Asn
166 440
167
168
169
170 (2) INFORMATION FOR SEQ ID NO:2:
171
172 (i) SEQUENCE CHARACTERISTICS:
173 (A) LENGTH: 574 amino acids
174 (B) TYPE: amino acid
175 (C) STRANDEDNESS: single
176 (D) TOPOLOGY: linear
177
178 (ii) MOLECULE TYPE: protein
179
180 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
181
182
183 Met Lys Trp Met Lys Ser Met Val Trp Leu Ala Val Val Leu Val Val
184 1                      5                      10                      15
185
186 Ser Phe Val Ala Pro Ala Val Ser Ser Ala Asn Glu Asp Val Lys Thr
187                      20                      25                      30
188
189 Leu Asp Ile Gln Ser Tyr Val Arg Asp Met Gln Pro Gly Trp Asn Leu
190                      35                      40                      45
191 Gly Asn Thr Phe Asp Ala Val Gly Gln Asp Glu Thr Ala Trp Gly Asn
192                      50                      55                      60
193
194 Pro Arg Val Thr Arg Glu Leu Ile Glu Arg Ile Ala Asp Glu Gly Tyr
195 65                      70                      75                      80
196
197 Lys Ser Ile Arg Ile Pro Val Thr Trp Glu Asn Arg Ile Gly Gly Ala
198                      85                      90                      95
199
200 Pro Asp Tyr Pro Ile Asp Pro Gln Phe Leu Asn Arg Val Asp Glu Val
201                      100                     105                     110
202
203 Val Gln Trp Ala Leu Glu Glu Asp Leu Tyr Val Met Ile Asn Leu His
204                      115                     120                     125
205

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# RAW SEQUENCE LISTING PATENT APPLICATION US/08/945,574

DATE: 08/29/98  
TIME: 13:31:24

INPUT SET: S28291.raw

206	His	Asp	Ser	Trp	Leu	Trp	Ile	Tyr	Glu	Met	Glu	His	Asn	Tyr	Asn	Gly
207	130						135					140				
208																
209	Val	Met	Ala	Lys	Tyr	Arg	Ser	Leu	Trp	Glu	Gln	Leu	Ser	Asn	His	Phe
210	145					150					155					160
211																
212	Lys	Asp	Tyr	Pro	Thr	Lys	Leu	Met	Phe	Glu	Ser	Val	Asn	Glu	Pro	Lys
213					165					170					175	
214																
215	Phe	Ser	Gln	Asn	Trp	Gly	Glu	Ile	Arg	Glu	Asn	His	His	Ala	Leu	Leu
216				180					185					190		
217																
218	Asp	Asp	Leu	Asn	Thr	Val	Phe	Phe	Glu	Ile	Val	Arg	Gln	Ser	Gly	Gly
219			195					200					205			
220																
221	Gln	Asn	Asp	Ile	Arg	Pro	Leu	Val	Leu	Pro	Thr	Met	Glu	Thr	Ala	Thr
222		210					215					220				
223																
224	Ser	Gln	Pro	Leu	Leu	Asn	Asn	Leu	Tyr	Gln	Thr	Ile	Asp	Lys	Leu	Asp
225	225					230					235				240	
226																
227	Asp	Pro	Asn	Leu	Ile	Ala	Thr	Val	His	Tyr	Tyr	Gly	Phe	Trp	Pro	Phe
228					245					250					255	
229																
230	Ser	Val	Asn	Ile	Ala	Gly	Tyr	Thr	Arg	Phe	Glu	Glu	Asp	Ser	Lys	Arg
231				260					265					270		
232																
233	Glu	Ile	Ile	Glu	Thr	Phe	Asp	Arg	Val	His	His	Thr	Phe	Val	Ala	Arg
234			275					280					285			
235																
236	Gly	Ile	Pro	Val	Val	Leu	Gly	Glu	Phe	Gly	Leu	Leu	Gly	Phe	Asp	Lys
237		290					295					300				
238																
239	His	Thr	Gly	Val	Ile	Gln	Gln	Gly	Glu	Lys	Leu	Lys	Phe	Phe	Glu	Tyr
240	305					310					315				320	
241																
242	Leu	Ile	His	His	Leu	Asn	Glu	Arg	Asp	Ile	Thr	His	Met	Leu	Trp	Asp
243					325					330					335	
244																
245	Asn	Gly	Gln	His	Phe	Asn	Arg	His	Thr	Tyr	Glu	Trp	Tyr	Asp	Glu	Glu
246				340					345					350		
247																
248	Leu	Phe	Asp	Met	Leu	Arg	Ala	Ser	Trp	Gly	Gly	Arg	Ser	Ser	Val	Ala
249			355					360					365			
250																
251	Glu	Ser	Asn	Phe	Ile	Tyr	Leu	Lys	Gln	Gly	Asp	Arg	Ile	Ala	Asp	Ala
252		370					375					380				
253																
254	Thr	Val	Thr	Leu	Gln	Leu	His	Gly	Asn	Glu	Leu	Thr	Gly	Leu	Gln	Ala
255	385				390					395					400	
256																
257	Asn	Gly	Gln	Arg	Leu	Thr	Pro	Gly	Gln	Asp	Tyr	Glu	Leu	Asn	Gly	Glu
258					405					410					415	

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/945,574**DATE: 08/29/98  
TIME: 13:31:27**INPUT SET: S28291.raw**

Line	Error	Original Text
5	Unknown or Misplaced Identifier	(I) APPLICANTS:
15	Number of Sequences (0) Doesn't Equal Actual Count (2)	(iii)NUMBER OF SEQUENCES: Two
36	Wrong Classification	(C) CLASSIFICATION: (IPC)
43	Response Exceeds Line Limitations	EP 95201115.3
44	Response Exceeds Line Limitations	U.S. 614,115
45	Unknown or Misplaced Identifier	(B) FILING DATES:
61	Unknown or Misplaced Identifier	(C) E-MAIL: Glenn.Murphy Henkel-Americas.com